AMENDMENTS TO THE CLAIMS

1. (Currently Amended) An actuated seal assembly for controlling flow in a fluid path in turbomachinery comprising:

a seal;

a seal carrier coupled to said seal, said seal carrier disposed in said turbomachinery;

a displacement apparatus coupled to said seal carrier for positioning said seal to control said flow in said fluid path, wherein said displacement apparatus is selected from the group consisting of an actuator, a return device, and combinations thereof; and

a drive system for powering said displacement apparatus.

2. (Cancelled)

3. (Original) The actuated seal of claim 1, wherein said displacement apparatus comprises an actuator and a return device for moving said seal radially with respect to a rotating member.

4. (Original) The actuated seal of claim 1, wherein said displacement apparatus is selected from the group consisting of springs, bellows, tubes, rods, cams, hydraulic cylinders, pneumatic devices, piezoelectric devices, wires, cables, bi-metallic materials, phase-changing materials, solenoids and combinations thereof.

5. (Original) The actuated seal of claim 4, wherein said tube comprises an inflatable tube.

6. (Original) The actuated seal of claim 4, wherein said rod is spring loaded.

7. (Original) The actuated seal of claim 1, wherein said seal is selected from the group consisting of brush seals, labyrinth seals, abradable seals, honeycomb seals, leaf seals, finger seals, ceramic seals, aramid seals, aspirating seals and combinations thereof.

8. (Currently Amended) The actuated seal of claim 7, wherein said displacement

apparatus comprises a wire, and wherein said wire is wound on a wire spool and coupled to said drive system.

9. (Currently Amended) The actuated seal of claim 1, wherein said displacement apparatus is disposed to control each of said seal carriers in said seal assembly.

10. (Original) The actuated seal of claim 1, wherein said displacement apparatus is disposed to control a plurality of said seal carriers in said seal assembly.

11. (Original) The actuated seal of claim 1, wherein said displacement apparatus is disposed to control a respective seal carrier in said seal assembly.

12. (Original) The actuated seal of claim 1, wherein said drive system is bi-directional.

13. (Original) The actuated seal of claim 1, wherein said drive system is selected from the group consisting of motors, electric power supplies and liquid drives.

14. (Original) The actuated seal of claim 13, wherein said motor is selected from the group consisting of a linear motor and rotary motor.

15. (Original) The actuated seal of claim 13, wherein said motor further comprises a coupling.

16. (Original) The actuated seal of claim 15, wherein said coupling is selected from the group consisting of a gear, cable and pulley.

17. (Original) The actuated seal of claim 1, wherein said seal carrier is disposed in a turbine housing

18. (Original) The actuated seal of claim 1, wherein said seal carrier is disposed in a labyrinth seal.

19. (Original) An actuated seal assembly for controlling flow in a fluid path in a turbine comprising:

a seal;

a seal carrier coupled to said seal wherein the position of said seal carrier in said turbine is adjustable;

a displacement apparatus coupled to said seal carrier for positioning said seal to control said flow in said fluid path and

a drive system for powering said displacement apparatus.

20. (Original) The actuated seal of claim 19, wherein said seal is selected from the group consisting of brush seals, labyrinth seals, abradable seals, honeycomb seals, leaf seals, finger seals, ceramic seals, aramid seals, aspirating seals and combinations thereof.

21. (Currently Amended) The actuated seal of claim 20, wherein said displacement apparatus comprises a wire, and wherein said wire is wound on a wire spool and coupled to said drive system.

22. (Original) The actuated seal of claim 19, wherein said seal carrier is adjustable during operation of said turbine.

23-51 (Withdrawn)